

## REMARKS

In the Office Action, the Examiner allowed claims 1 – 31, 33 – 36, 44 – 55, 62, and 63, rejected claims 57, 60, and 61, and objected to claims 58 and 59. With this Amendment, Applicant has amended claim 57. The application still includes claims 1 – 31, 33 – 36, 44 – 55, and 57 – 63.

Enclosed herewith is a Petition for One-Month Extension of Time together with Credit Card Payment Form in the amount of \$ 60.00.

## REJECTION OF CLAIMS UNDER 35 U.S.C. § 102

In the Office Action, the Examiner rejected claims 57, 60, and 61 under 35 U.S.C. § 102(b) as being anticipated by the Brown patent.

With this Amendment, Applicant has amended the present application to better define the present invention. In particular, Applicant has amended claim 57 to claim providing a driving mechanism and forcing the active sensing surface to move with the driving mechanism.

The Brown patent neither teaches nor suggests the method as now claimed in the present application. The Brown patent measures wall shear stress by employing a viscous film applied to the surface where it is caused to flow and images of an interferogram are captured and analyzed. To the contrary, with the method as claimed in the present application, the motion of the sensing surface is not the shear stress as described in the Brown patent but is rather a driving mechanism. Furthermore, the Brown patent suggests the use of a fluid that experiences continuous deformation as opposed to elastic deformation experienced by the elastically mounted sensing surface, as claimed.

Therefore, since the Brown patent neither teaches nor suggests the method as claimed in the present application, it is respectfully requested that the rejection of claims 57, 60, and 61 under 35 U.S.C. § 102(b) and that claims 57, 60, and 61 be held allowable.

CONCLUSION

In conclusion, it is believed that the present application is in condition for consideration and allowance. Consideration and allowance of the claims are respectfully requested.

Respectfully submitted,

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